

AMENDMENTS TO THE CLAIMS, COMPLETE LISTING OF CLAIMS
IN ASCENDING ORDER WITH STATUS INDICATOR

Please amend the following claims as indicated.

1. (Currently Amended) An operation guiding system comprising:

a virtual image memory configured to store, ~~with respect to an operation composed of a sequence of operation steps,~~ virtual images ~~for explaining a content of each of the operation steps~~ each of which comprises a virtual operation object;

a display unit ~~configured to be having a see-through head mounted display positioned in front of an operator's eye-eyes, for displaying the virtual images, in contrast to a real operation object in front of the operator,~~ the display unit being configured so that the operator can see through the see-through head mounted display to directly see a real object itself and can also see a virtual image replayed with the see-through head mounted display;

a virtual image replay means configured to replay the virtual images on said display unit in order of ~~the each of operation steps; and~~

a virtual image adjusting means configured to adjust the virtual images such that a virtual operation object ~~drawn on each of the virtual images and corresponding to the real operation object in a virtual image replayed with the display unit will have an overlapping relation with the corresponding real operation object itself on said display unit which the operator can directly see through the see-through head mounted display.~~

2. (Original) The operation guiding system as set forth in claim 1, wherein each of the virtual images includes a line drawing outlining the real operation object and a visual information mark for explaining the content of each of the operation steps visually.

3. (Original) The operation guiding system as set forth in claim 2, further including a visual information mark input means which calls up one of the virtual images from said virtual image memory to modify and/or add the visual information mark.

4. (Original) The operation guiding system as set forth in claim 3, wherein each of the virtual images comprises a layer on which the line drawing is drawn and a layer on which the visual information mark is drawn.

5. (Original) The operation guiding system as set forth in claim 1, wherein said virtual image replay means memorizes a correspondence between each of the virtual images and each of the operation steps and has a function that calls up one of the virtual images corresponding to one of the operation steps specified by the operator.

6. (Original) The operation guiding system as set forth in claim 1, wherein said virtual image replay means memorizes a correspondence between each of the virtual images and each of the operation steps, said virtual image replay means having a function that replays the virtual images corresponding to the operation steps within a range specified by the operator and returns to a first virtual image in the range after a replay of the virtual images.

7. (Original) The operation guiding system as set forth in claim 1, further including
a voice input means for inputting an operator's voice and
a voice recognition means configured to recognize the voice inputted using said voice input means;

said virtual image replay means controlling the replay of the virtual images based on the operator's voice.

8. (Original) The operation guiding system as set forth in claim 1, further including
a voice memory configured to store voice data for explaining the content of each of the operation steps and

a voice output means configured to output the voice data;

said virtual image replay means outputting the voice data to said voice output means in synchronization with a replay of the virtual images.

9. (Original) The operation guiding system as set forth in claim 1, further including an image pickup means configured to take an image of the real operation object and a feature point extraction means configured to extract a feature point decided in advance with respect to the operation object, from the image taken by said image pickup means;

said virtual image adjusting means changing a position and/or a dimension of each of the virtual images displayed on said display unit automatically such that a point of the virtual operation object which corresponds to the feature point extracted by said feature point extraction means will conform to the position of the feature point.

10. (Original) The operation guiding system as set forth in claim 1, wherein said virtual image adjusting means includes a manual controller by which the operator can manually change a position and/or a dimension of each of the virtual images displayed on said display unit.

11. (Original) The operation guiding system as set forth in claim 10, further including a head tracking means configured to track a motion of the operator's head;

said virtual image adjusting means correcting the position of each of the virtual images displayed on said display unit based on an output of said head tracking means.

12 (New) The operation guiding system as set forth in claim 1, wherein the see-through head mounted display comprises a pair of translucent liquid crystal panels.

13. (New) The operation guiding system as set forth in claim 1, wherein the see-through head mounted display comprises a pair of prisms each of which has a reflecting surface and a half mirror, and a pair of liquid crystal panels of which virtual image enters each prism from one side thereof,

wherein the reflecting surfaces reflect the virtual image from the liquid crystal panels forward,

wherein the half mirrors reflect the virtual image backward so that the operator can see the virtual image.